

**IN THE CLAIMS:**

Please cancel the current versions of claims 2-8, 15, and 22, and insert the amended version of claims 2-8, 15, and 15 as follows. Pursuant to 37 C.F.R. § 1.121, the following is a clean copy of the amended claims. A marked-up copy of the amended claims is attached on separate sheets.

Not entered  
Canceled  
Amended

2. (Amended) Peptide fragment derived from ubiquitin and comprising a continuous series of at least 3 amino acids from the amino acid sequence of ubiquitin: KLVHGLARAGKVRGQTPKVAKQEKKKKKTGRAKRRMQYNRRFVNVVPTFGKKKGPNA NS, (SEQ ID NO: 1) with the exception of peptides having the amino acid sequence KLVHGLARAGKVRGQTPKVAKQ (SEQ ID NO: 10) or AGKVRGQTPKVAKQEKKKKKT (SEQ ID NO: 11).

3. (Amended) Peptide fragment as claimed in claim 2 comprising a continuous series of at least 8 amino acids from the amino acid sequence of ubiquitin: KLVHGLARAGKVRGQTPKVAKQEKKKKKTGRAKRRMQYNRRFVNVVPTFGKKKGPNA NS, (SEQ ID NO: 1) with the exception of peptides having the amino acid sequence KLVHGLARAGKVRGQTPKVAKQ (SEQ ID NO: 10) or AGKVRGQTPKVAKQEKKKKKT (SEQ ID NO: 11).

4. (Amended) Peptide fragment as claimed in claim 2 with one of the following amino acid sequences:

ubiquitin (1-18)

KLVHGLARAGKVRGQTPK (SEQ ID NO: 2)

ubiquitin (29-41)

TGRAKRRMQYNRR (SEQ ID NO: 3)

ubiquitidine (18-29)

KVAKQEKKKKKT (SEQ ID NO: 4)

ubiquitidine (18-35)

KVAKQEKKKKKTGRAKRR (SEQ ID NO: 5)

ubiquitidine (29-35)

TGRAKRR (SEQ ID NO: 7)

ubiquitidine (42-59)

FVNVVPTFGKKKGPNANS (SEQ ID NO: 8)

ubiquitidine (36-41)

MQYNRR (SEQ ID NO: 9)

5. (Twice Amended) Derivative of ubiquitidine or of a peptide fragment derived from ubiquitidine and comprising a continuous series of at least 3 amino acids from the amino acid sequence of ubiquitidine:

KVHGSLARAGKVRGQTPKVAKQEKKKKKTGRAKRRMQYNRRFVNVVPTFGKKKGPNANS, (SEQ ID NO: 1) which derivative has an amino acid sequence which is at least partly the reverse of the amino acid sequence of the corresponding original peptide.

6. (Twice Amended) Derivative of a ubiquitidine of or a peptide fragment derived from ubiquitidine and comprising a continuous series of at least 3 amino acids from the amino acid sequence of ubiquitidine:

KVHGSLARAGKVRGQTPKVAKQEKKKKKTGRAKRRMQYNRRFVNVVPTFGKKKGPNANS, (SEQ ID NO: 1) wherein at least one of the amino acids from the original peptide is replaced by a stereoisomer of that amino acid.

7. (Twice Amended) Derivative of ubiquitidine or of a peptide fragment derived from ubiquitidine and comprising a continuous series of at least 3 amino acids from the amino acid sequence of ubiquitidine:

KVHGSLARAGKVRGQTPKVAKQEKKKKKTGRAKRRMQYNRRFVNVVPTFGKKKGPNANS

*add 1 more*  
NS, (SEQ ID NO: 1) wherein the original amino acid chain is extended at one or both ends thereof with one or more groups, such as D-amino acids, protecting against degradation.

8. (Amended) Derivative as claimed in claim 7 with the amino acid sequence:  
D-A--KVAKQEKKKKKTGRAKRR--D-A (SEQ ID NO: 6)  
in which D-A represents D-alanine

*Not entered*  
15. (Amended) A peptide fragment derived from ubiquitidine and comprising a continuous series of at least 3, preferably at least 8 amino acids from the amino acid sequence of ubiquitidine:  
KVHGSLARAGKVRGQTPKVAKQEKKKKKTGRAKRRMQYNRRFVNVVPTFGKKKGPNA  
NS (SEQ ID NO: 1) for use in diagnostics, prophylaxis or therapy of infections in humans and animals.

*Not entered*  
22. (Twice Amended) Diagnostic agent, comprising a suitable quantity of one or more active components provided with a detectable label and chosen from ubiquitidine, peptide fragments derived from ubiquitidine and comprising a continuous series of at least 3 amino acids from the amino acid sequence of ubiquitidine:  
KVHGSLARAGKVRGQTPKVAKQEKKKKKTGRAKRRMQYNRRFVNVVPTFGKKKGPNA  
NS, (SEQ ID NO: 1) or derivative or hybrid molecules thereof by transforming an animal egg-cell with a gene construct which codes for the ubiquitidine, peptide fragment, derivative or hybrid molecule, regenerating a transgenic animal from the transformed egg-cell and isolating the ubiquitidine, peptide fragment, derivative or hybrid molecule from a tissue or bodily fluid of the animal, for instance milk.